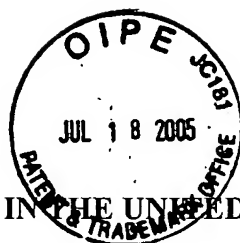


10/782,708



Atty. Docket No. TJK/450

JPW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF MAILING

The undersigned hereby certifies that this document and its enclosures are being deposited with the U.S. Postal Service as first class mail, postage prepaid in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 on this 13th day of July, 2005.

Date: 07/13/2005

By:

Print Name: Christopher M. Nowak

Applicant: MENARD et al.

Examiner: Nguyen, Hoang M

Serial No.: 10/782,708

Art Unit: 3748

Filed: February 17, 2004

For: MEMS ACTUATORS

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

With regard to the above-identified application, pursuant to 37 C.F.R. §1.56, the item of information listed on the enclosed Form PTO/SB/08A is brought to the attention of the Examiner.

The undersigned certifies that each item of information contained in the information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.

A list of the patent(s) or publication(s) is set forth on the attached Form PTO/SB/08A. In accordance with 37 C.F.R. §1.98(2)(i), a copy of each patent listed on Form PTO/SB/08A is enclosed herewith.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically

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Pursuant to the provisions of MPEP 609, it is requested that the Examiner return a copy of the attached Form PTO/SB/08A, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

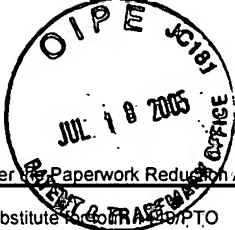
Date: 07/13/2005

Respectfully submitted,

By: _____

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PTO/SB/08A (07-05)

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Substitute for PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 1

Complete if Known

Application Number	10/782,708
Filing Date	02/17/2004
First Named Inventor	MENARD
Art Unit	3748
Examiner Name	NGUYEN, Hoang M
Attorney Docket Number	TJK/450

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS

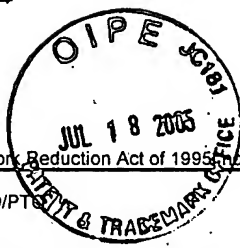
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		WO 02/17339A	02/28/2002	JDS Uniphase Corporation		
		WO 02/23565A	03/21/2002	3M Innovative Properties		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	10/782,708
Filing Date	02/17/2004
First Named Inventor	MENARD
Art Unit	3748
Examiner Name	NGUYEN, Hoang M
Attorney Docket Number	TJK/450

Sheet 1

of 1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BURNS D M Et al Design and Performance of a double hot arm polysilicon thermal Actuator - XF009024459	
		KOLESAR E S ET AL Design and Performance of a Polysilicon Surface Micromachined	
		Microengine realized with arrays of Asymmetrical electrothermal microactuators _ XP001157164	

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